

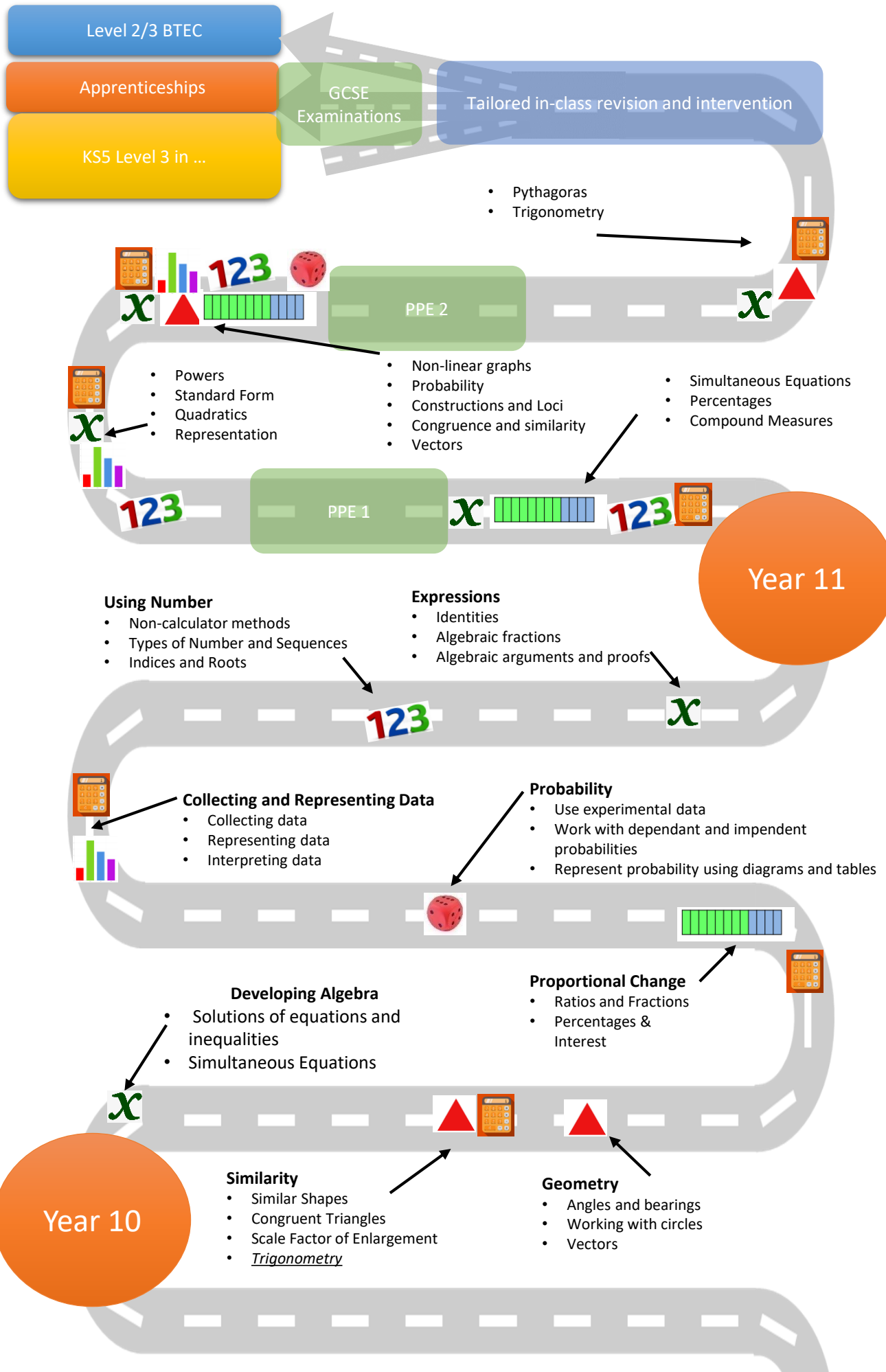


... Curriculum Road Map KS4 HIGHER PATHWAY



Careers – Architect – Geologist – Engineer – Accountant – Commodity Trader – Meteorologist – Investment Banker

Careers – Game Designer – Actuary – Medical Scientist – Mathematician – Teacher – Software Developer – GCHQ Analyst



Threshold Concepts

- Algebraic manipulation** This concept involves recognising mathematical properties and relationships using symbolic representation
- Number sense** This concept involves understanding the number system and how they are used in a wide variety of mathematical ways
- Shape facts** This concept involves recognising the names and properties of geometry shapes and angles.
- Multiplicative reasoning** This concept involves using ratio and proportion and understanding of reciprocals in real world applications
- Representing and interpreting data** This concept involves interpreting, manipulating and presenting data in various ways.
- Calculator skills** This concept involves fluent application of mathematical operations on a scientific calculator
- Understanding and calculating risk** This concept involves knowing the rules of probability in the correct context